Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/26/2021 10:07 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125140	0	1.23	125018	1.23
Blue	F	SSC	125000	124190	-1	2.38	124460	2.23
Blue	E	FITC	13131	12891	-2	2.24	296	15.76
Blue	D	PE	24112	23711	-2	1.72	544	10.53
Blue	B	PerCP-Cy5-5	31295	30642	-3	3.03	1013	14.66
Blue	A	PE-Cy7	19939	19841	-1	5.22	531	28.77
Red	C	APC	42122	40979	-3	2.94	1713	11.60
Red	A	APC-Cy7	22340	21865	-3	3.17	820	12.00
Violet	B	V450	7410	7014	-6	3.33	425	12.56
Violet	A	V500	28118	26999	-4	2.95	672	9.71

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23121	1.51	566	-3	N/A	N/A	Pass
Blue	F	SSC	57916	1.08	518	6	N/A	N/A	Pass
Blue	E	FITC	54	54.62	485	-2	0.0397	92	Pass
Blue	D	PE	114	37.07	487	-1	0.4776	374	Pass
Blue	B	PerCP-Cy5-5	188	35.94	583	-3	0.0194	58	Pass
Blue	A	PE-Cy7	107	67.21	626	-2	0.0226	2	Pass
Red	C	APC	397	23.87	580	4	0.0262	113	Pass
Red	A	APC-Cy7	184	27.68	556	5	0.0057	732	Pass
Violet	B	V450	60	64.25	462	9	0.0620	2407	Pass
Violet	A	V500	97	35.15	474	9	0.0274	1062	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.57	-31.41	1.00
Blue	20.37	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.43
Red	14.22	13.60 - 20.40	N/A	N/A	29.78	30.07	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 11533

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments